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OM protein - protein search, using sw model

Run on: September 28, 2004, 10:40:08 ; Search time 23.2779 Seconds
(without alignments)
742.965 Million cell updates/sec

Title: US-09-446-634B-22
Perfect score: 1804
Sequence: 1 MLCIGTWLLPLVLTSLVARLSS.....KDTISDSSENSFRNEIQSLV 335
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/ptodata/2/iaa/5A COMB.pap.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pap.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pap.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pap.*
5: /cgn2_6/ptodata/2/iaa/PCTUS COMB.pap.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Length	DB ID	Description
1	1804	100.0	335	2	US-08-219-237B-2
2	1804	100.0	335	2	US-08-409-338-1
3	1804	100.0	335	3	US-09-290-640-2
4	1804	100.0	335	3	US-09-006-353A-7
5	1804	100.0	335	3	US-08-468-560C-2
6	1804	100.0	335	4	US-09-180-100-20
7	1804	100.0	335	4	US-09-565-918-3
8	1804	100.0	335	4	US-09-573-986-7
9	1804	100.0	335	4	US-09-665-615B-2
10	1804	100.0	335	5	PCT-US95-17083-2
11	1804	100.0	669	4	US-09-013-895A-3
12	1804	100.0	669	4	US-09-448-868-3
13	1792	99.3	335	3	US-08-815-469-6
14	1743	96.6	331	3	US-09-086-483A-3
15	1743	96.6	331	4	US-09-580-212-3
16	1743	96.6	331	4	US-09-769-402-3
17	1667.5	92.4	314	1	US-08-444-231-19
18	1667.5	92.4	314	1	US-08-152-443A-19
19	1667.5	92.4	314	5	PCT-US95-17083-4
20	1484	82.3	281	4	US-09-527-236A-3
21	1484	82.3	281	4	US-09-756-854-3
22	1225	67.9	219	3	US-08-974-022-45
23	1225	67.9	219	3	US-08-795-445A-45
24	1225	67.9	219	3	US-08-795-447A-45
25	1225	67.9	219	3	US-08-974-186-45
26	1225	67.9	219	3	US-08-795-446B-45
27	1225	67.9	219	4	US-08-706-945D-131

28	1225	67.9	219	4	US-08-577-789C-45	Sequence 45, Appl
29	942	52.2	167	4	US-08-828-683A-22	Sequence 22, Appl
30	893	49.5	157	4	US-09-180-100-15	Sequence 15, Appl
31	856	47.5	327	3	US-09-290-640-66	Sequence 66, Appl
32	856	47.5	327	4	US-09-665-615B-66	Sequence 66, Appl
33	811.5	45.0	144	4	US-09-180-100-21	Sequence 21, Appl
34	811.5	45.0	159	4	US-09-180-100-23	Sequence 23, Appl
35	811.5	45.0	376	4	US-09-180-100-22	Sequence 22, Appl
36	757	42.0	128	4	US-09-180-100-9	Sequence 9, Appl
37	757	42.0	143	4	US-09-180-100-10	Sequence 10, Appl
38	757	42.0	360	4	US-09-180-100-11	Sequence 11, Appl
39	712	39.5	119	2	US-08-219-237B-3	Sequence 3, Appl
40	712	39.5	119	3	US-08-477-347-14	Sequence 14, Appl
41	712	39.5	119	3	US-08-476-862-5	Sequence 5, Appl
42	712	39.5	119	3	US-08-468-560C-3	Sequence 3, Appl
43	712	39.5	119	4	US-08-828-683A-15	Sequence 15, Appl
44	712	39.5	119	4	US-09-800-909-5	Sequence 5, Appl
45	712	39.5	119	4	US-09-800-908-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-08-219-237B-2
; Sequence 2, Application US/08219237B
; Patent No. 5874546
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu
; APPLICANT: ITOH, Naoto
; APPLICANT: YONEHARA, Shin
; TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
; NUMBER OF INVENTIONS: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James W. Hellwege
; STREET: P.O. Box 2266 Eads Station
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/219,237B
; FILING DATE: 28-MAR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/872,129
; FILING DATE: 22-APR-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: James W. Hellwege
; REGISTRATION NUMBER: 28,808
; REFERENCE/DOCKET NUMBER: 516762
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-219-237B-2

Query Match 100.0%; Score 1804; DB 2; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLCIGTWLLPLVLTSLVARLSSNAQVTDINSKGLRKTVTVTQNLGLHHDGQFCH 60
DB 1 MLCIGTWLLPLVLTSLVARLSSNAQVTDINSKGLRKTVTVTQNLGLHHDGQFCH 60

QY 61 KPCPPGKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
DB 61 KPCPPGKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRKPNFCNSVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRKPNFCNSVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
QY 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
DB 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
QY 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335
DB 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335

RESULT 2

US-08-409-338-1
; Sequence 1, Application US/08409338
; Patent No. 5891434

GENERAL INFORMATION:

; APPLICANT: Krammer, Peter H.
; APPLICANT: Debatin, Klaus-Michael
; APPLICANT: Trauth, Bernhard C.
; APPLICANT: Behrmann, Iris
; APPLICANT: Dhein, Jens
; APPLICANT: Kias, Christiane
; APPLICANT: Miller, Peter
; APPLICANT: Falk, Werner
; APPLICANT: Oehm Alexander
; APPLICANT: Daniel, Peter T.
; TITLE OF INVENTION: Monoclonal Antibodies to the APO-1 Antigen
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington, MA 02173
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173

COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/409,338
; FILING DATE:

CLASSIFICATION:

; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/260,644

; FILING DATE: 16-JUN-1994

; APPLICATION NUMBER: US 07/691,016

; FILING DATE: 17-JUN-1991

; CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: CTR89-35A2

TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-861-6240

; TELEFAX: 617-861-9540

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 335 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

US-08-409-338-1

Query Match 100.0%; Score 1804; DB 2; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160; Indels 0; Gaps 0;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERLKTVTVTQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERLKTVTVTQNLGLHHDGQFCH 60
QY 61 KPCPPGKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
DB 61 KPCPPGKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRKPNFCNSVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRKPNFCNSVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
QY 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
DB 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
QY 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335
DB 301 ANLCTLAETIQTILKDIITSDSENSFRNEIOSLV 335

RESULT 3

US-09-230-640-2
; Sequence 2, Application US/09290640
; Patent No. 6204055

GENERAL INFORMATION:

; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0351
; CURRENT APPLICATION NUMBER: US/09/290,640
; CURRENT FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-230-640-2

Query Match 100.0%; Score 1804; DB 3; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERLKTVTVTQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSLVARLSSKSVNAQVTDINSKGLERLKTVTVTQNLGLHHDGQFCH 60
QY 61 KPCPPGKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
DB 61 KPCPPGKARDCTVNGDEPDPCVPCQEGKEYTDKAHSSKRCRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRKPNFCNSVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRKPNFCNSVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGWLCLL 180
QY 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
DB 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLTKDLKK 300

QY 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335
Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

RESULT 4
US-09-006-353A-7
; Sequence 7, Application US/09006353A
; Patent No. 6261801
; GENERAL INFORMATION:
; APPLICANT: WEI, YING-FEI
; APPLICANT: YU, GUO-LIANG
; APPLICANT: GENTZ, REINER
; APPLICANT: RUBEN, STEVEN
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/006,353A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BROOKES, ANDERS A
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF341
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-006-353A-7

Query Match 100.0%; Score 1804; DB 3; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLKTVTTVETQNLGLHHDGFCH 60
Db 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLKTVTTVETQNLGLHHDGFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCLCDEGHGLEVEINCT 120
QY 121 RTQNTKCRCKPNFNCSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFNCSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWVKRKEVQKTCRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTAGVM 240
Db 181 LLPPLIPLVWVKRKEVQKTCRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335
Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

RESULT 5
US-08-468-560C-2
; Sequence 2, Application US/08468560C
; Patent No. 6270998
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu
; APPLICANT: ITOH, Naoto
; APPLICANT: YONEHARA, Shin
; TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE
; TITLE OF INVENTION: ANTIGEN
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
; STREET: P.O. BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,560C
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURPHY JR., GERALD M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 20-4393P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-205-8000
; TELEFAX: 703-205-8050
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-468-560C-2

Query Match 100.0%; Score 1804; DB 3; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLKTVTTVETQNLGLHHDGFCH 60
Db 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLRLKTVTTVETQNLGLHHDGFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDVCPQCEGKEYTDKAHFSSKRCRCLCDEGHGLEVEINCT 120
QY 121 RTQNTKCRCKPNFNCSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFNCSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWVKRKEVQKTCRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTAGVM 240
Db 181 LLPPLIPLVWVKRKEVQKTCRKHKENOGSHESPTLNPTETVAINLSDVDLSKYITTAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335
Db 301 ANLCTLAETQIITILKDTSDSENSFRNEIQLSV 335

RESULT 6
US-09-180-100-20
; Sequence 20, Application US/09180100
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, No. 6306395io
; APPLICANT: NAGATA, Shigekazu
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/180,100
; CURRENT FILING DATE: 1998-11-02
; EARLIER APPLICATION NUMBER: PCT/JP97/01502
; EARLIER FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-20

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERKTKVTVTETONLEGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERKTKVTVTETONLEGLHHDGQFCH 60

Qy 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSKCRRLCDEGHGVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSKCRRLCDEGHGVEINCT 120

Qy 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180

Qy 181 LLPIPLIIVVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
Db 181 LLPIPLIIVVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240

Qy 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Db 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300

Qy 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335
Db 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335

Qy 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180

Qy 181 LLPIPLIIVVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
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Qy 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Db 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300

Qy 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335
Db 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335

RESULT 7
US-09-565-918-3
; Sequence 3, Application US/09565918
; Patent No. 6433147
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4
; FILE REFERENCE: 1488.130005
; CURRENT APPLICATION NUMBER: US/09/565,918
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/132,922
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: US 09/013,895
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: US 60/037,829
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: US 60/035,722

PRIOR FILING DATE: 1997-01-28
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-565-918-3

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERKTKVTVTETONLEGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERKTKVTVTETONLEGLHHDGQFCH 60

Qy 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSKCRRLCDEGHGVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSKCRRLCDEGHGVEINCT 120

Qy 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180

Qy 181 LLPIPLIIVVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
Db 181 LLPIPLIIVVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240

Qy 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Db 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300

Qy 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335
Db 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335

RESULT 8
US-09-573-986-7
; Sequence 7, Application US/09573986
; Patent No. 6455040
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.128004
; CURRENT APPLICATION NUMBER: US/09/573,986
; CURRENT FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-573-986-7

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERKTKVTVTETONLEGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSAVLSSKSVNAQVTDINSKGLERKTKVTVTETONLEGLHHDGQFCH 60

Qy 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSKCRRLCDEGHGVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSKCRRLCDEGHGVEINCT 120

Qy 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTKCEHGIKECTLTSTNTKCKEGSRNLGWLCLL 180

Qy 181 LLPIPLIIVVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
Db 181 LLPIPLIIVVKRKEVQKTCRKRKENGSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240

Qy 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300
Db 241 TLSQVGFVRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLHGKKEAYDTLTKLKK 300

Qy 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335
Db 301 ANLCTLAETIILKIDTSSENSNFRNEIQSLV 335

Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGLIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
Db 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
QY 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETKIQTILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETKIQTILKDIITSDSENSFRNEIQSLV 335

RESULT 9
US-09-665-615B-2
; Sequence 2, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665,615B
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-665-615B-2

Query Match 100.0%; Score 1804; DB 4; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Db 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGLIKECTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGLIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
Db 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
QY 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETKIQTILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETKIQTILKDIITSDSENSFRNEIQSLV 335

RESULT 10
PCT-US95-17083-2
; Sequence 2, Application PC/TUS9517083
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: SECRETED HUMAN FAS ANTIGEN
; NUMBER OF SEQUENCES: 16

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/17083
; FILING DATE: CONCURRENTLY HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 08/371,263
; FILING DATE: 23-DEC-1994
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
PCT-US95-17083-2

Query Match 100.0%; Score 1804; DB 5; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
Db 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGLIKECTLTSTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGLIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
Db 181 LLPPLIPLVWKRKEVQKTCRKHKENQSGHESPTLNPETVAINLSVDLSKYITTTIAGVM 240
QY 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKGVNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETKIQTILKDIITSDSENSFRNEIQSLV 335
Db 301 ANLCTLAETKIQTILKDIITSDSENSFRNEIQSLV 335

RESULT 11
US-09-013-895A-3
; Sequence 3, Application US/09013895A
; Patent No. 6342363
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4): Death
; TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
; TITLE OF INVENTION: Superfamily and Binding to Trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/013,895A
; FILING DATE: 27-JAN-1998
; CLASSIFICATION:

```
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-013-895A-3
Query Match 100.0%; Score 1804; DB 4; Length 669;
Best Local Similarity 100.0%; Pred. No. 4.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
DB 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEGRSRLGWLCLL 180
QY 181 LLPIPLVWVKREVKQTCRKHKENGSHESPTLNPTETVAINLSVDLSKYITTIAGVM 240
DB 181 LLPIPLVWVKREVKQTCRKHKENGSHESPTLNPTETVAINLSVDLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKIDTSSENSNFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKIDTSSENSNFRNEIQSLV 335

RESULT 12
US-09-448-868-3
; Sequence 3, Application US/09448868
; Patent No. 6461823
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4): Death
; TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
; TITLE OF INVENTION: Superfamily and Binding to trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/448,868

; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/013,895
; FILING DATE: 27-JAN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-09-448-868-3
Query Match 100.0%; Score 1804; DB 4; Length 669;
Best Local Similarity 100.0%; Pred. No. 4.9e-160;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSAVLSSKSNVAQVTDINSKGLRLKRTVTTVETQNLGLHHDGQFCH 60
QY 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
DB 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEGRSRLGWLCLL 180
DB 121 RTQNTKCRCKPNFFCNSVCEHCDPCTCKEHIKECTLTSTNTCKEGRSRLGWLCLL 180
QY 181 LLPIPLVWVKREVKQTCRKHKENGSHESPTLNPTETVAINLSVDLSKYITTIAGVM 240
DB 181 LLPIPLVWVKREVKQTCRKHKENGSHESPTLNPTETVAINLSVDLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHLGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKIDTSSENSNFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKIDTSSENSNFRNEIQSLV 335

RESULT 13
US-08-815-469-6
; Sequence 6, Application US/08815469
; Patent No. 6153402
; GENERAL INFORMATION:
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ni, Jian
; APPLICANT: Dixit, Vishva
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dillon, Patrick J.
; TITLE OF INVENTION: Death Domain Containing Receptors
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
; STREET: 1100 New York Ave., NW, Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/815,469
FILING DATE: HEREWITH
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: No. 6153402 Yet Assigned
FILING DATE: 06-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,711
FILING DATE: 17-OCT-1996
APPLICATION DATA: US 60/013,285
FILING DATE: 12-MAR-1996
ATTORNEY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0310003/EKS/KRM
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: protein
US-08-815-469-6

Query Match 99.3%; Score 1792; DB 3; Length 335;
Best Local Similarity 99.7%; Pred. No. 2.5e-159;
Matches 334; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MLGIWTLPLVLTSVARLSKSYNAQVTDINSKGLRLKTVTTVETQNLGLHHDGQFCH	60
Db	1	MLGIWTLPLVLTSVARLSKSYNAQVTDINSKGLRLKTVTTVETQNLGLHHDGQFCH	60
Qy	61	KCPPGPKRKADCTVNGDEPDPCVQCGEKEYTDKAHFSSKCRRLCDEGHGVEINCT	120
Db	61	KCPPGPKRKADCTVNGDEPDPCVQCGEKEYTDKAHFSSKCRRLCDEGHGVEINCT	120
Qy	121	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	180
Db	121	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	180
Qy	181	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVDLSKYITTIAGVM	240
Db	181	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVDLSKYITTIAGVM	240
Qy	241	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
Db	241	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
Qy	301	ANLCTLAETQITILKIDTSSENSNFRNEIQSLV	335
Db	301	ANLCTLAETQITILKIDTSSENSNFRNEIQSLV	335

RESULT 14
US-09-086-483A-3
Sequence 3, Application US/09086483A
Patent No. 6214580
GENERAL INFORMATION:
APPLICANT: NI, et al.
TITLE OF INVENTION: HUMAN TUMOR NECROSIS FACTOR RECEPTOR TR10
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD

COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/086,483A
FILING DATE: May-29-98
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/050,936
FILING DATE: May-30-97
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/069,112
FILING DATE: Dec-9-97
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BROOKES, ANDERS A.
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF379
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8439
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 331 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-086-483A-3

Query Match 96.6%; Score 1743; DB 3; Length 331;
Best Local Similarity 98.8%; Pred. No. 9.2e-155;
Matches 331; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

Qy	1	MLGIWTLPLVLTSVARLSKSYNAQVTDINSKGLRLKTVTTVETQNLGLHHDGQFCH	60
Db	1	MLGIWTLPLVLTSVARLSKSYNAQVTDINSKGLRLKTV-TVETQNLGLHHDGQFCH	59
Qy	61	KCPPGPKRKADCTVNGDEPDPCVQCGEKEYTDKAHFSSKCRRLCDEGHGVEINCT	120
Db	60	-PCPPGPKRKADCTVNGDEPDPCVQCGEKEYTDKAHFSSKCRRLCDEGHGVEINCT	118
Qy	121	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	180
Db	119	RTQNTKCRCKPNFQNSTVCEHCDPCTKCBHGIIKECTLTSTNTKCKEGRSRLGWLCLL	177
Qy	181	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVDLSKYITTIAGVM	240
Db	178	LLPIPLIVWVKRKEVQKTCRKHRENQSGHESPTLNPTETVAINLSDVDLSKYITTIAGVM	237
Qy	241	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
Db	238	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	297
Qy	301	ANLCTLAETQITILKIDTSSENSNFRNEIQSLV	335
Db	298	ANLCTLAETQITILKIDTSSENSNFRNEIQSLV	331

RESULT 15
US-09-580-212-3
Sequence 3, Application US/09580212
Patent No. 6506569
GENERAL INFORMATION:
APPLICANT: NI, Jian et al.
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR10
FILE REFERENCE: PF379P1
CURRENT APPLICATION NUMBER: US/09/580,212

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; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/136,786
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 60/142,563
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: 60/144,023
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-560-212-3

Query Match      96.6%; Score 1743; DB 4; Length 331;
Best Local Similarity 98.8%; Pred. No. 9.2e-155;
Matches 331; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

Qy 1 MLGIWTLPLVLTISVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHGQFCH 60
Db 1 MLGIWTLPLVLTISVARLSSKSVNAQVTDINSKGLERKTV-TVETQNLGLHHGQFCH 59

Qy 61 KPCPPGRRKARDCTVNGDEPCVPCQEGKEYTDKAHFSKCRRCRLCDEGHGVEINCT 120
Db 60 -PCPPGRRKARDCTVNGDEPCVPCQEGKEYTDKAHFSKCRRCRLCDEGHGVEINCT 118

Qy 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIECTLTASNTKCKEESRSNLGWLCLL 180
Db 119 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIECTLTASNTKCKEESRSN-GWLCLL 177

Qy 181 LLPIPLIWWKRKEVQKTCRKHKENOGSHSPTLNPTETVAINLSDVLSKYITTIAGVM 240
Db 178 LLPIPLIWWKRKEVQKTCRKHKENOGSHSPTLNPTETVAINLSDVLSKYITTIAGVM 237

Qy 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLIKDLKK 300
Db 238 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLIKDLKK 297

Qy 301 ANLCTLAEKIQTIIILKDTSDSENSFRNEIQSLV 335
Db 298 ANLCTLAEKI-TIIILKDTSDSENSFRNEIQSLV 331
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Search completed: September 28, 2004, 10:56:30
Job time : 25.2779 secs

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OM protein - protein search, using sw model

Run on: September 28, 2004, 10:52:43 : Search time 90.0755 Seconds
(without alignments)
1195.909 Million cell updates/sec

Title: US-09-446-634B-22

Perfect score: 1804

Sequence: 1 MLGIWTLPLVLTSLVARLSS.....KDIITSDSENSFRNEIQSLV 335

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321558718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications AA:*

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3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
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16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1804	100.0	335	9	US-09-826-212-7
2	1804	100.0	335	9	US-09-802-669-2
3	1804	100.0	335	9	US-09-949-713-20
4	1804	100.0	335	9	US-09-874-138-4
5	1804	100.0	335	9	US-09-884-987-2
6	1804	100.0	335	9	US-09-935-727-9
7	1804	100.0	335	13	US-10-619-220-2
8	1804	100.0	335	13	US-10-005-842-4
9	1804	100.0	335	14	US-10-175-902-3
10	1804	100.0	335	14	US-10-186-643-7
11	1804	100.0	335	15	US-10-418-242-9
12	1804	100.0	335	16	US-10-648-825-4
13	1804	100.0	335	16	US-10-774-622-4
14	1804	100.0	335	16	US-10-741-601-447
15	1804	100.0	669	14	US-10-226-296-3

16	1804	100.0	669	14	US-10-226-318-3	Sequence 3, Appli
17	1804	100.0	669	16	US-10-648-786-3	Sequence 3, Appli
18	1792	99.3	335	9	US-09-333-966-6	Sequence 6, Appli
19	1792	99.3	335	10	US-09-314-889-6	Sequence 6, Appli
20	1792	99.3	335	14	US-10-189-189-6	Sequence 6, Appli
21	1783.5	98.9	334	16	US-10-741-601-446	Sequence 446, App
22	1743	96.6	331	14	US-10-280-047-3	Sequence 3, Appli
23	1725	95.6	319	16	US-10-445-399-15	Sequence 15, Appl
24	1647	91.3	313	16	US-10-741-601-451	Sequence 451, App
25	1484	82.3	281	9	US-09-756-854-3	Sequence 3, Appli
26	1484	82.3	281	13	US-10-041-574-3	Sequence 3, Appli
27	1225	67.9	219	11	US-09-405-032-128	Sequence 128, App
28	997	55.3	237	9	US-09-925-299-960	Sequence 960, App
29	997	55.3	237	10	US-09-925-299-960	Sequence 960, App
30	960	53.2	201	16	US-10-741-601-449	Sequence 449, App
31	942	52.2	167	13	US-10-112-793-22	Sequence 22, Appl
32	893	49.5	157	9	US-09-949-713-15	Sequence 15, Appl
33	856	47.5	327	9	US-09-802-669-66	Sequence 66, Appl
34	856	47.5	327	12	US-10-619-220-66	Sequence 66, Appl
35	811.5	45.0	144	9	US-09-949-713-21	Sequence 21, Appl
36	811.5	45.0	159	9	US-09-949-713-23	Sequence 23, Appl
37	811.5	45.0	159	14	US-10-084-139-12	Sequence 12, Appl
38	811.5	45.0	376	9	US-09-949-713-22	Sequence 22, Appl
39	811.5	45.0	376	14	US-10-084-139-10	Sequence 10, Appl
40	757	42.0	128	9	US-09-949-713-9	Sequence 9, Appli
41	757	42.0	143	9	US-09-949-713-10	Sequence 10, Appl
42	757	42.0	360	9	US-09-949-713-11	Sequence 11, Appl
43	712	39.5	119	9	US-09-800-909-5	Sequence 5, Appli
44	712	39.5	119	9	US-09-884-987-3	Sequence 3, Appli
45	712	39.5	119	9	US-09-800-908-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-09-826-212-7
; Sequence 7, Application US/09826212
; Patent No. US20010021516A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; APPLICANT: NI, Jian
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280006
; CURRENT APPLICATION NUMBER: US/09/826.212
; CURRENT FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-212-7

Query Match 100.0%; Score 1804; DB 9; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	MLGIWTLPLVLTSLVARLSSKSNVAQVTIDNSKGLRLKTKTIVTQNLGLHHGQFCH 60	
Qy	61	KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFFSKRCRCCLDCGHGVEINCT 120	
Db	61	KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFFSKRCRCCLDCGHGVEINCT 120	
Qy	121	RTQNTKRCRCKPNFNCNSTVCEHCDPTCKEHLIKETLTSTNCKKEGSRSLGWLCLL 180	
Db	121	RTQNTKRCRCKPNFNCNSTVCEHCDPTCKEHLIKETLTSTNCKKEGSRSLGWLCLL 180	
Qy	181	LLDPLIVWKRKEVOKTRCKRKHKNQSGHSESTLNPETVAINLSDVLSKYITTIAGVM 240	

181	LLPIPLVWKEKEVQKCRKHKEKGSHESPTLNPETVAINLSDVLSKYITTIAGVM	240
241	TLISQVKGFRKGVNAEKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
241	TLISQVKGFRKGVNAEKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK	300
301	ANLCTLAEKIQITILKIDITSDSNSFRNEIQSLV	335
301	ANLCTLAEKIQITILKIDITSDSNSFRNEIQSLV	335

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RESULT 2
US-09-802-669-2
; Sequence 2, Application US/09802669
; Patent No. US2002004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcusson, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-669-2

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	Query Match	100.0%;	Score 1804;	DB 9;	Length 335;
	Best Local Similarity	100.0%;	Pred. No. 1.2e-149;	Mismatches	0; Gaps 0;
	Matches	Conservative	0;		
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Dd	1	MLGIWTLPLPVLVTSVARLSSKSNVAOYTDINSKGLELRKTVTTVETQNLEGHLHDGQFCH	60		
QY	61	KPCPPGERKARDCTVNGDEPDVCPCQBGEKEYTDKAHFSKKRRCRLCDEGHGLEVEINCT	120		
Dd	61	KPCPPGERKARDCTVNGDEPDVCPCQBGEKEYTDKAHFSKKRRCRLCDEGHGLEVEINCT	120		
QY	121	RTQNTCKCRKPFFCNSTVCEHCDPTCKRHGGIIKECTLTSNTCKEBSGSNIGWLCLL	180		
Dd	121	RTQNTCKCRKPFFCNSTVCEHCDPTCKRHGGIIKECTLTSNTCKEBSGSNIGWLCLL	180		
QY	181	LPIPLIIVWKRKGVOKTCRKHXENOGSHESPILNPETAVINLSVDLSKYITTIAGVM	240		
Dd	181	LPIPLIIVWKRKGVOKTCRKHXENOGSHESPILNPETAVINLSVDLSKYITTIAGVM	240		
QY	241	TLSOVKGFVRKNGVNREAKIDBKNDNVODTAEQVKQLLRNNHQHGKXEAYDTLIKDLKK	300		
Dd	241	TLSOVKGFVRKNGVNREAKIDBKNDNVODTAEQVKQLLRNNHQHGKXEAYDTLIKDLKK	300		
QY	301	ANLC TLAEKIOTIIKL DITSSENSNFNEIQSLV	335		
Dd	301	ANLC TLA EKIO TI I KL DITSSENSNFNEIQSLV	335		

RESULT 3
US-09-949-713-20
; Sequence 20, Application US/09949713
; Patent No. US2002004494A1
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, Shigekazu
; APPLICANT: NAGATA, Shigekazu
; US2002004494A110

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; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
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; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER: US/09/949,713
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US/09/180,100
; PRIOR FILING DATE: 1998-11-02
; PRIOR APPLICATION NUMBER: PCT/JF97/01502
; PRIOR FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
; RS-00-949-713-20

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Query Match	100.0%;	Score	1804;	DB	9;	Length	335;
Best Local Similarity	100.0%;	Pred. No.	1.2e-145;				
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Gaps	0;						
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QY	61	KPCPPGERKARDCTVNG	DEPDCVPCQEGKEYTD	KAHFSSKRCRC	LCDEGHGLEVINCT	120	
DB	61	KPCPPGERKARDCTVNG	DEPDCVPCQEGKEYTD	KAHFSSKRCRC	LCDEGHGLEVINCT	120	
QY	121	RTQNTKCRKPFPNCSTV	CEHCDPCTKCEHGI	IKECTLT	SNTKCKEEGSRNLGWLCLL	180	
DB	121	RTQNTKCRKPFPNCSTV	CEHCDPCTKCEHGI	IKECTLT	SNTKCKEEGSRNLGWLCLL	180	
QY	181	LLPIPLIWMVKRKEVQKT	CRKHKENGGSHES	PTLNPETVA	INLSDVDLSKYITTIAGVM	240	
DB	181	LLPIPLIWMVKRKEVQKT	CRKHKENGGSHES	PTLNPETVA	INLSDVDLSKYITTIAGVM	240	
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QY	301	ANLCTLAEKIQTII	LKDITSDSNSFRNEIQSLV	335			
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RESULT 4
US-09-874-138-4
; Sequence 4, Application US/09874138
; Patent No. US20020072091A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-liang
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: 1488.1310006
; CURRENT APPLICATION NUMBER: US/09/874,138
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 09/042,583
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: PatentIn Ver. 2.11

; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-874-138-4

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Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCLDEGHGVEINCT 120
DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCLDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGLWCLL 180
DB 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGLWCLL 180
QY 181 LLPIPLIIVWKRKEVQKTCRKHKENQGSHPETLNPETVAINLSDVLSKYITTIAGVM 240
DB 181 LLPIPLIIVWKRKEVQKTCRKHKENQGSHPETLNPETVAINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAEKIQTIIILKDTSDSENSNFRNEIQSLV 335
DB 301 ANLCTLAEKIQTIIILKDTSDSENSNFRNEIQSLV 335

RESULT 5

US-09-884-987-2
; Sequence 2, Application US/09884987
; Patent No. US20020102653A1
; GENERAL INFORMATION:

; APPLICANT: NAGATA, Shigekazu et al
; TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE ANTIGEN
; FILE REFERENCE: 0020-4877P
; CURRENT APPLICATION NUMBER: US/09/884,987
; CURRENT FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 11

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 2

; LENGTH: 335

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-884-987-2

Query Match 100.0%; Score 1804; DB 9; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGIWTLPLVLTSSVNAQVTDINSKGLRLKTVTTVETQNLGLHHDGQFCH 60
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DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCLDEGHGVEINCT 120
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QY 181 LLPIPLIIVWKRKEVQKTCRKHKENQGSHPETLNPETVAINLSDVLSKYITTIAGVM 240
DB 181 LLPIPLIIVWKRKEVQKTCRKHKENQGSHPETLNPETVAINLSDVLSKYITTIAGVM 240

QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAEKIQTIIILKDTSDSENSNFRNEIQSLV 335
DB 301 ANLCTLAEKIQTIIILKDTSDSENSNFRNEIQSLV 335

RESULT 6

US-09-935-727-9

; Sequence 9, Application US/09935727

; Patent No. US20020150583A1

; GENERAL INFORMATION:

; APPLICANT: Human Genome Sciences, Inc.

; TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta

; FILE REFERENCE: PF454P2

; CURRENT APPLICATION NUMBER: US/09/935,727

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: 60/303,224

; PRIOR FILING DATE: 2001-07-06

; PRIOR APPLICATION NUMBER: 60/252,131

; PRIOR FILING DATE: 2000-11-21

; PRIOR APPLICATION NUMBER: 60/227,598

; PRIOR FILING DATE: 2000-08-25

; PRIOR APPLICATION NUMBER: 09/518,931

; PRIOR FILING DATE: 2000-03-03

; PRIOR APPLICATION NUMBER: 60/168,235

; PRIOR FILING DATE: 1999-12-01

; PRIOR APPLICATION NUMBER: 60/146,371

; PRIOR FILING DATE: 1999-08-02

; PRIOR APPLICATION NUMBER: 60/131,964

; PRIOR FILING DATE: 1999-04-30

; PRIOR APPLICATION NUMBER: 60/131,270

; PRIOR FILING DATE: 1999-04-27

; PRIOR APPLICATION NUMBER: 60/124,092

; PRIOR FILING DATE: 1999-03-12

; PRIOR APPLICATION NUMBER: 60/121,774

; PRIOR FILING DATE: 1999-03-04

; PRIOR APPLICATION NUMBER: 09/006,352

; PRIOR FILING DATE: 1998-01-13

; PRIOR APPLICATION NUMBER: 60/035,496

; PRIOR FILING DATE: 1997-01-14

; NUMBER OF SEQ ID NOS: 42

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 9

; LENGTH: 335

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-935-727-9

Query Match 100.0%; Score 1804; DB 9; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCLDEGHGVEINCT 120
DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCLDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGLWCLL 180
DB 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGRSRLGLWCLL 180
QY 181 LLPIPLIIVWKRKEVQKTCRKHKENQGSHPETLNPETVAINLSDVLSKYITTIAGVM 240
DB 181 LLPIPLIIVWKRKEVQKTCRKHKENQGSHPETLNPETVAINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300

us-09-446-634b-22.sep2004.rapb

Tue Sep 28 15:18:08 2004

Rosen, Craig A.

TITLE OF INVENTION: Death Domain Containing Receptor 5

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: MD

COUNTRY: US

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/005,842

FILING DATE: 07-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/042,583

FILING DATE: <Unknown>

APPLICATION NUMBER: US 60/040,846

FILING DATE: 17-MAR-1997

ATTORNEY/AGENT INFORMATION:

NAME: Hoover, Kenley

REGISTRATION NUMBER: 40,302

REFERENCE/DOCKET NUMBER: PF366

TELECOMMUNICATION INFORMATION:

TELEPHONE: 3013098504

TELEFAX: 3013098439

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 335 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-10-005-842-4

Query Match 100.0%; Score 1804; DB 12; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149; Indels 0; Gaps 0;
Matches 335; Conservative 0; Mismatches 0;

QY 1 MLGIWTLPLVLTSSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
DB 1 MLGIWTLPLVLTSSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRCRLCDEGHGVEINCT 120
DB 61 KCPGGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRCRLCDEGHGVEINCT 120
QY 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTCKEHIKECTLTSTNTCKEGRSRLGLWCLL 180
DB 121 RTQNTKCRCKPNFPCNSTVCEHCDPCTCKEHIKECTLTSTNTCKEGRSRLGLWCLL 180
QY 181 LPLIPLIVWKRKEVQTKRKHKENQSGHESPTLPETVAIINLSDVLSKYITTIAGVM 240
DB 181 LPLIPLIVWKRKEVQTKRKHKENQSGHESPTLPETVAIINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
QY 301 ANLCTLAETIQTILKDTSDSENSFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKDTSDSENSFRNEIQSLV 335

RESULT 8
US-10-005-842-4

Sequence 4, Application US/10005842

Publication No. US2002009850A1

GENERAL INFORMATION:

APPLICANT: Ni, Jian

Gu, Guo-Liang

Su, Jeffrey

US-10-175-902-3

Sequence 3, Application US/10175902

RESULT 9

US-10-175-902-3

Sequence 3, Application US/10175902

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QY 301 ANLCTLAETIQTILKDTSDSENSFRNEIQSLV 335
DB 301 ANLCTLAETIQTILKDTSDSENSFRNEIQSLV 335

RESULT 7

US-10-619-220-2

Sequence 2, Application US/10619220

Publication No. US20040033979A1

GENERAL INFORMATION:

APPLICANT: Dean, Nicholas M.

APPLICANT: Marcussen, Eric G.

APPLICANT: Wyatt, Jacqueline

APPLICANT: Zhang, Hong

TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling

FILE REFERENCE: ISPH-545

CURRENT APPLICATION NUMBER: US/10/619,220

PRIOR FILING DATE: 2003-07-14

PRIOR APPLICATION NUMBER: 09/802,669

PRIOR FILING DATE: 2001-03-01

PRIOR APPLICATION NUMBER: US 09/665,615

PRIOR FILING DATE: 2000-09-18

PRIOR APPLICATION NUMBER: US 09/290,640

PRIOR FILING DATE: 1999-04-12

NUMBER OF SEQ ID NOS: 180

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2

LENGTH: 335

TYPE: PRT

ORGANISM: Homo sapiens

US-10-619-220-2

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; Publication No. US20030108516A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Rosen, Craig A.
; APPLICANT: Pan, James G.
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4
; FILE REFERENCE: 1488.1300005
; CURRENT APPLICATION NUMBER: US/10/175,902
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: 09/565,918
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/132,922
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: US 09/013,895
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: US 60/037,829
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: US 60/035,722
; PRIOR FILING DATE: 1997-01-28
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-175-902-3

Query Match      100.0%; Score 1804; DB 14; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1  MLGIWTLPLVLTTSVARLSKSSVNAQVTDINSKGLERKKTIVTETQNLGLHHDGQFCH 60

Qy      61  KPCPPGERKARDCTVNGDEPCVPCQEGKEYTDKAHFSSKCRRCRCLCDGEGHGLEVEINCT 120
Db      61  KPCPPGERKARDCTVNGDEPCVPCQEGKEYTDKAHFSSKCRRCRCLCDGEGHGLEVEINCT 120

Qy      121  RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGSSRNLGWLCLL 180
Db      121  RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGSSRNLGWLCLL 180

Qy      181  LLPIPLIVWKRKEVQKTCRKHRENQGSHPINPETVAINLSDVDLSKYITTIAGVM 240
Db      181  LLPIPLIVWKRKEVQKTCRKHRENQGSHPINPETVAINLSDVDLSKYITTIAGVM 240

Qy      241  TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLLIKLKK 300
Db      241  TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLLIKLKK 300

Qy      301  ANLCTLAETQITILKDIOTSDSENSNFRNEIQSLV 335
Db      301  ANLCTLAETQITILKDIOTSDSENSNFRNEIQSLV 335

RESULT 10
US-10-186-643-7
; Sequence 7, Application US/10186643
; Publication No. US20030118546A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280004
; CURRENT APPLICATION NUMBER: US/10/186,643
; CURRENT FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US/09/573,986
; PRIOR FILING DATE: 2000-05-18

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; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-186-643-7

Query Match      100.0%; Score 1804; DB 14; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  MLGIWTLPLVLTTSVARLSKSSVNAQVTDINSKGLERKKTIVTETQNLGLHHDGQFCH 60
Db      1  MLGIWTLPLVLTTSVARLSKSSVNAQVTDINSKGLERKKTIVTETQNLGLHHDGQFCH 60

Qy      61  KPCPPGERKARDCTVNGDEPCVPCQEGKEYTDKAHFSSKCRRCRCLCDGEGHGLEVEINCT 120
Db      61  KPCPPGERKARDCTVNGDEPCVPCQEGKEYTDKAHFSSKCRRCRCLCDGEGHGLEVEINCT 120

Qy      121  RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGSSRNLGWLCLL 180
Db      121  RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIKECTLTNTKCKEGSSRNLGWLCLL 180

Qy      181  LLPIPLIVWKRKEVQKTCRKHRENQGSHPINPETVAINLSDVDLSKYITTIAGVM 240
Db      181  LLPIPLIVWKRKEVQKTCRKHRENQGSHPINPETVAINLSDVDLSKYITTIAGVM 240

Qy      241  TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLLIKLKK 300
Db      241  TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQKVQLLRNWHQLHGKKEAYDTLLIKLKK 300

Qy      301  ANLCTLAETQITILKDIOTSDSENSNFRNEIQSLV 335
Db      301  ANLCTLAETQITILKDIOTSDSENSNFRNEIQSLV 335

RESULT 11
US-10-418-242-9
; Sequence 9, Application US/10418242
; Publication No. US20040013664A1
; GENERAL INFORMATION:
; APPLICANT: Gentz et al.
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
; FILE REFERENCE: PP454P3
; CURRENT APPLICATION NUMBER: US/10/418,242
; CURRENT FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 60/373,604
; PRIOR FILING DATE: 2002-04-19
; PRIOR APPLICATION NUMBER: 09/935,727
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/303,224
; PRIOR FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 60/252,131
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: 60/227,598
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: 09/518,931
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 60/168,235
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: 60/146,371
; PRIOR FILING DATE: 1999-08-02
; PRIOR APPLICATION NUMBER: 60/131,964
; PRIOR FILING DATE: 1999-04-30
; PRIOR APPLICATION NUMBER: 60/131,279
; PRIOR FILING DATE: 1999-04-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 51
; SEQ ID NO 9
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens

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US-10-418-242-9
Query Match 100.0%; Score 1804; DB 15; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
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Db 1 MLGIWTLPLVLTSSVRLSSKSNVAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Qy 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Qy 121 RTQNTKCRCKPNFNCSTVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFNCSTVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180
Qy 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGHSPFLNPETVAINLSVDLSKYITTIAGVM 240
Db 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGHSPFLNPETVAINLSVDLSKYITTIAGVM 240
Qy 241 TISOVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TISOVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Qy 301 ANLCTLAETIOTIILKIDTSSENSFRNEIOSLV 335
Db 301 ANLCTLAETIOTIILKIDTSSENSFRNEIOSLV 335

RESULT 13
US-10-774-622-4
; Sequence 4, Application US/10774622
; Publication No. US20040141952A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: 1488.1310006
; CURRENT APPLICATION NUMBER: US/10/774,622
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: US/09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 09/042,583
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-774-622-4
Query Match 100.0%; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLGIWTLPLVLTSSVRLSSKSNVAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVRLSSKSNVAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Qy 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120

US-10-418-242-9
Query Match 100.0%; Score 1804; DB 15; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MLGIWTLPLVLTSSVRLSSKSNVAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Db 1 MLGIWTLPLVLTSSVRLSSKSNVAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
Qy 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Db 61 KPCCPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHSSKRCRRLCDEGHGLEVEINCT 120
Qy 121 RTQNTKCRCKPNFNCSTVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180
Db 121 RTQNTKCRCKPNFNCSTVCEHCDPCTCKEHHGIIKECTLTNTKCKEGRSRLGWLCLL 180
Qy 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGHSPFLNPETVAINLSVDLSKYITTIAGVM 240
Db 181 LLPIPLIIVWKRKEVQKTCRKHRENQSGHSPFLNPETVAINLSVDLSKYITTIAGVM 240
Qy 241 TISOVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TISOVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Qy 301 ANLCTLAETIOTIILKIDTSSENSFRNEIOSLV 335
Db 301 ANLCTLAETIOTIILKIDTSSENSFRNEIOSLV 335

RESULT 12
US-10-648-825-4
; Sequence 4, Application US/10648825
; Publication No. US20040136951A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Su, Jeffrey
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: PF366P2
; CURRENT APPLICATION NUMBER: US/10/648,825
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 09/042,538
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1998-05-04
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: 09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/406,307
; PRIOR FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 60/413,747
; PRIOR FILING DATE: 2002-09-27
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: human
US-10-648-825-4
Query Match 100.0%; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;

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QY 181 LLPIPLIIVWVRKEVQKTCRKRKENQSGSHESPTLNPEVAIINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLIIVWVRKEVQKTCRKRKENQSGSHESPTLNPEVAIINLSDVLSKYITTIAGVM 240
QY 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
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Db 301 ANLCTLAEKIQTIIILKIDTSDSENSFRNEIOSLV 335

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RESULT 14

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US-10-741-601-447
; Sequence 447, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741,601
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 447
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-741-601-447

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Query Match 100.0%; Score 1804; DB 16; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.2e-149;
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QY 1 MGIWTLPLVLTSTVARLSKSVNAQVTDINSKGLERKVTIVTETQNLGLHHDGFCH 60
Db 1 MGIWTLPLVLTSTVARLSKSVNAQVTDINSKGLERKVTIVTETQNLGLHHDGFCH 60

QY 61 KPCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKRCRRLCDEGHLEVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKRCRRLCDEGHLEVEINCT 120

QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTCKEBSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTCKEBSRNLGWLCLL 180

QY 181 LLPIPLIIVWVRKEVQKTCRKRKENQSGSHESPTLNPEVAIINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLIIVWVRKEVQKTCRKRKENQSGSHESPTLNPEVAIINLSDVLSKYITTIAGVM 240

QY 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300

QY 301 ANLCTLAEKIQTIIILKIDTSDSENSFRNEIOSLV 335
Db 301 ANLCTLAEKIQTIIILKIDTSDSENSFRNEIOSLV 335

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RESULT 15

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US-10-226-296-3
; Sequence 3, Application US/10226296
; Publication No. US20030036168A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; Rosen, Craig A.

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; Pan, James G.
; Gentz, Reiner L.
; Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
; Receptor 4), Member of the TNF-Receptor
; Superfamily and Binding to Trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/236,296
; FILING DATE: 23-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/448,868
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 09/013,895
; FILING DATE: 27-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-226-296-3

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Query Match 100.0%; Score 1804; DB 14; Length 669;
Best Local Similarity 100.0%; Pred. No. 2.9e-149;
Matches 335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGIWTLPLVLTSTVARLSKSVNAQVTDINSKGLERKVTIVTETQNLGLHHDGFCH 60

QY 61 KPCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKRCRRLCDEGHLEVEINCT 120
Db 61 KPCPPGERKARDCTVNGDEPDPCVPCQEGKEYTDKAHFSSKRCRRLCDEGHLEVEINCT 120

QY 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTCKEBSRNLGWLCLL 180
Db 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIEKCTLTSTNTCKEBSRNLGWLCLL 180

QY 181 LLPIPLIIVWVRKEVQKTCRKRKENQSGSHESPTLNPEVAIINLSDVLSKYITTIAGVM 240
Db 181 LLPIPLIIVWVRKEVQKTCRKRKENQSGSHESPTLNPEVAIINLSDVLSKYITTIAGVM 240

QY 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300
Db 241 TLSQVKGFRKNGVNEAKIDIKNDNVQDTAEQVQLLRNWHQHGKKEAYDTLIKDLKK 300

QY 301 ANLCTLAEKIQTIIILKIDTSDSENSFRNEIOSLV 335
Db 301 ANLCTLAEKIQTIIILKIDTSDSENSFRNEIOSLV 335

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us-09-446-634b-22.sep2004.rapb

Tue Sep 28 15:18:08 2004

Search completed: September 28, 2004, 11:11:16
Job time : 92.0755 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 28, 2004, 10:40:08 ; Search time 22.7221 Seconds
(without alignments)
742.965 Million cell updates/sec

Title: US-09-446-634B-23

Perfect score: 1804

Sequence: 1 MLWTWAVLPLVLQSLRVH.....KDLGKSTPDGTGNEGQCILE 327

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1804	100.0	327	3	US-09-290-640-66
2	1804	100.0	327	4	US-09-665-615B-66
3	863.5	47.9	669	4	US-09-013-895A-3
4	863.5	47.9	669	4	US-09-448-868-3
5	856	47.5	335	2	US-08-219-237B-2
6	856	47.5	335	2	US-08-409-338-1
7	856	47.5	335	3	US-08-290-640-2
8	856	47.5	335	3	US-09-006-353A-7
9	856	47.5	335	3	US-08-468-560C-2
10	856	47.5	335	4	US-09-180-100-20
11	856	47.5	335	4	US-09-565-918-3
12	856	47.5	335	4	US-09-573-986-7
13	856	47.5	335	4	US-09-665-615B-2
14	856	47.5	335	5	PCT-US95-17083-2
15	844	46.8	335	3	US-08-815-469-6
16	825	45.7	331	3	US-09-086-483A-3
17	825	45.7	331	4	US-09-580-212-3
18	825	45.7	331	4	US-09-769-402-3
19	810.5	44.9	314	1	US-08-444-231-19
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22	645	35.8	281	4	US-09-527-236A-3
23	645	35.8	281	4	US-09-756-854-3
24	585	32.4	219	3	US-08-974-022-45
25	585	32.4	219	3	US-08-795-445A-45
26	585	32.4	219	3	US-08-795-447A-45
27	585	32.4	219	3	US-08-974-186-45

28	585	32.4	219	3	US-08-795-446B-45	Sequence 45, Appl
29	585	32.4	219	4	US-08-706-945D-131	Sequence 131, Appl
30	585	32.4	219	4	US-08-577-788C-45	Sequence 45, Appl
31	523	29.0	167	4	US-08-828-683A-22	Sequence 22, Appl
32	496	27.5	157	4	US-09-180-100-15	Sequence 15, Appl
33	494.5	27.4	144	4	US-09-180-100-21	Sequence 21, Appl
34	494.5	27.4	159	4	US-09-180-100-23	Sequence 23, Appl
35	494.5	27.4	376	4	US-09-180-100-22	Sequence 22, Appl
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37	470	26.1	143	4	US-09-180-100-10	Sequence 10, Appl
38	470	26.1	360	4	US-09-180-100-11	Sequence 11, Appl
39	462	25.6	119	4	US-08-828-683A-15	Sequence 15, Appl
40	460	25.5	119	2	US-08-219-237B-3	Sequence 3, Appl
41	460	25.5	119	3	US-08-477-347-14	Sequence 14, Appl
42	460	25.5	119	3	US-08-476-862-5	Sequence 5, Appl
43	460	25.5	119	3	US-08-468-560C-3	Sequence 3, Appl
44	460	25.5	119	4	US-09-800-909-5	Sequence 5, Appl
45	460	25.5	119	4	US-09-800-908-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1

US-09-290-640-66

; Sequence 66, Application US/09290640

; Patent No. 6204055

; GENERAL INFORMATION:

; APPLICANT: Dean, Nicholas M.

; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling

; FILE REFERENCE: ISPH-0351

; CURRENT APPLICATION NUMBER: US/09/290,640

; CURRENT FILING DATE: 1999-04-12

; NUMBER OF SEQ ID NOS: 85

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 66

; LENGTH: 327

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-290-640-66

Query Match	100.0%;	Score 1804;	DB 3;	Length 327;
Best Local Similarity	100.0%;	Pred. No. 4.6e-158;		
Matches	327;	Conservative 0;	Mismatches 0;	Indels 0; Gaps 0;
Qy	1	MLWTWAVLPLVLQSLRVHVTQGTNSISLKLRRRVHETDKNCSEGLYQSGPFCQPCQ	60	
Db	1	MLWTWAVLPLVLQSLRVHVTQGTNSISLKLRRRVHETDKNCSEGLYQSGPFCQPCQ	60	
Qy	61	PGKKKVEDCKMNGGTPTCACTEGKEYMDKNHVKRCRCTLCDDEHGLEVETNCTLTON	120	
Db	61	PGKKKVEDCKMNGGTPTCACTEGKEYMDKNHVKRCRCTLCDDEHGLEVETNCTLTON	120	
Qy	121	TKCKKCPDFCDSPGCEHVCRCSCHEGTLEPCTATNTNCRKQSPNRLWLLTILVLLI	180	
Db	121	TKCKKCPDFCDSPGCEHVCRCSCHEGTLEPCTATNTNCRKQSPNRLWLLTILVLLI	180	
Qy	181	PLVFIYRKYRKRCWKRRQDDPESRTSSRETIPMNASLSLSKYIPRIADMTIOEAKKF	240	
Db	181	PLVFIYRKYRKRCWKRRQDDPESRTSSRETIPMNASLSLSKYIPRIADMTIOEAKKF	240	
Qy	241	ARENNIKEGKIDIMHDSIQDTAEQKVQLLCLWYQSHGKSDAYQDLIKGLKKAECRRTLTD	300	
Db	241	ARENNIKEGKIDIMHDSIQDTAEQKVQLLCLWYQSHGKSDAYQDLIKGLKKAECRRTLTD	300	
Qy	301	KFQDMYQKDLGKSTPDGTGNEGQCILE	327	
Db	301	KFQDMYQKDLGKSTPDGTGNEGQCILE	327	

RESULT 2

US-09-665-615B-66

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/013,895A
FILING DATE: 27-JAN-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: STEFFE, ERIC K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.1300002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 669 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-013-895A-3

Query Match 47.9%; Score 863.5; DB 4; Length 669;
Best Local Similarity 49.2%; Pred. No. 4.4e-71;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWTAVLPLVLAVLQVHTQGTNSISLKLRRRVHETDKNCSEGLYQGGPPCC 56
DB 336 MLGIWTLPLVLVTSVARLSSKSVNAQVTDINSKGLRLKTVTTVETQNLGLHHDGQFCH 395

QY 57 QPCOPGKKKVEDCKMNGGTPTCAPCTEGKYMKNHYADKRCRCTLCDHEHGLEVEVETNCT 116
DB 396 KPCPPGERKARDCTVNGDEPDVPCQEGKEYTDKAHFSKCRRCRLCDHEHGLEVEINCT 455

QY 117 LTQNTKCKPDPYCDSPGCEHCVCPCACSEHGLEVEVETNCT 176
DB 456 RTQNTKCKPDPYCDSPGCEHCVCPCACSEHGLEVEVETNCT 515

QY 177 VLLIPLVFIYKVRKCKWRRQDDPESRTSRETIPMNASNLSKYIPRIADMT 233
DB 516 LPIPLVFIYKVRKCKWRRQDDPESRTSRETIPMNASNLSKYIPRIADMT 575

QY 234 IOEAKKFAENNIKSGKIDEMHDSIODTAQKQVOLLWCYQSHGSKSDAYQDLIKGLKKA 293
DB 576 LQVQKGFVKNGVNEAKIDEIKNDVQDVAEQVQLLRNWHQHLHGKKEAYDTLILKDLKKA 635

QY 294 ECRPTLDKFDQVQKDLGKSTPDTGNEGQCL 326
DB 636 NLCTTAEKIQTILDKITSDSENFRNIQSL 668

RESULT 4
US-09-446-868-3
Sequence 3, Application US/09448868
Patent No. 6461823
GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Rosen, Craig A.
APPLICANT: Pan, James G.
APPLICANT: Gentz, Reiner L.
APPLICANT: Dixit, Vishva M.
TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4): Death
TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
TITLE OF INVENTION: Superfamily and Binding to Trail (AP02-L)
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD
COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:

SEQUENCE 66, Application US/09665615B
Patent No. 6653133
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Marcussen, Eric G.
APPLICANT: Wyatt, Jacqueline
TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-0502
CURRENT APPLICATION NUMBER: US/09/665,615B
CURRENT FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 09/290,640
PRIOR FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 179
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 66
LENGTH: 327
TYPE: PRT
ORGANISM: Mus musculus
US-09-665-615B-66

Query Match 100.0%; Score 1804; DB 4; Length 327;
Best Local Similarity 100.0%; Pred. No. 4.6e-158;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWTAVLPLVLAVLQVHTQGTNSISLKLRRRVHETDKNCSEGLYQGGPPCC 60
DB 1 MLWTAVLPLVLAVLQVHTQGTNSISLKLRRRVHETDKNCSEGLYQGGPPCC 60

QY 61 PGKKEVEDCKMNGGTPTCAPCTEGKYMKNHYADKRCRCTLCDHEHGLEVEVETNCT 120
DB 61 PGKKEVEDCKMNGGTPTCAPCTEGKYMKNHYADKRCRCTLCDHEHGLEVEVETNCT 120

QY 121 TKCKCKPDPYCDSPGCEHCVCPCACSEHGLEVEVETNCT 180
DB 121 TKCKCKPDPYCDSPGCEHCVCPCACSEHGLEVEVETNCT 180

QY 181 PLVFIYKVRKCKWRRQDDPESRTSRETIPMNASNLSKYIPRIADMT 240
DB 181 PLVFIYKVRKCKWRRQDDPESRTSRETIPMNASNLSKYIPRIADMT 240

QY 241 ARENNIKGKIDEMHDSIODTAQKQVOLLWCYQSHGSKSDAYQDLIKGLKKAECR 300
DB 241 ARENNIKGKIDEMHDSIODTAQKQVOLLWCYQSHGSKSDAYQDLIKGLKKAECR 300

QY 301 KFDQMVQKDLGKSTPDTGNEGQCL 327
DB 301 KFDQMVQKDLGKSTPDTGNEGQCL 327

RESULT 3
US-09-013-895A-3
Sequence 3, Application US/09013895A
Patent No. 6342363
GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Rosen, Craig A.
APPLICANT: Pan, James G.
APPLICANT: Gentz, Reiner L.
APPLICANT: Dixit, Vishva M.
TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4): Death
TITLE OF INVENTION: Receptor 4), Member of the TNF-Receptor
TITLE OF INVENTION: Superfamily and Binding to Trail (AP02-L)
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MD
COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/448,868
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/013,895
; FILING DATE: 27-JAN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-448-868-3

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Query Match      47.9%; Score 863.5; DB 4; Length 669;
Best Local Similarity 49.2%; Pred. No. 4.4e-71;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIAVPLVLAG----SQLRVHTQGTNSISLSKLRVRVHETDKNCSEGLYGGPFC 56
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 336 MLGWTLLPLVLVSARLSKSVNAQVTDINSKLELRKTVTVTQNLGLHHDGQFCH 395

QY 57 QCPQGGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDERHGLEVEINCT 116
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 396 KPCEPGERKARDCTVNGDEPDVCVQEGKEYTDKAHFSKRCRCLCDERHGLEVEINCT 455

QY 117 LTQNTKCKKDPDFCYDSPGCEHCVRCSCHGTLEPCTATSNCRKQSPRNLWLTL 176
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 456 RTQNTKCRCKPNFCNVTCEHCDCPCTCKBHGIIKECTLTSTNCKKEGSRNLGLCLL 515

QY 177 VLIPLVFIYKRYKRWKRRQDDP---ESRSTRETIIPMASNLSKYIPRIADMT 233
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 516 LLPPLIVVRKEVQKTCRKHRENQGSHPSTLNPTVAINLSVDVLSKYITTIAGVMT 575

QY 234 IQBAKFPARENNIKEGKIDIMHDSIQDTAEQKVLQLLCWYQSHGKSDAYODLIGLKA 293
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 576 LSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVLQLLRNWHQHLHGKKEAYDTLIKDLKA 635

QY 294 ECRRLDKFQDMVQKDLGKSTPDTGNEGQCL 326
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 636 NLCTLAEKIQTIIILDKDITSDSENSFRNEIQSL 668

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RESULT 5
US-08-219-237B-2
; Sequence 2, Application US/08219237B
; Patent No. 5874546
; GENERAL INFORMATION:
; APPLICANT: NAGATA, Shigekazu
; APPLICANT: ITOH, Naoto
; APPLICANT: YONEHARA, Shin
; TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James W. Hellwege
; STREET: P.O. Box 2266 Eads Station
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA

```

```

; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/219,237B
; FILING DATE: 28-MAR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/872,129
; FILING DATE: 22-APR-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: James W. Hellwege
; REGISTRATION NUMBER: 28,808
; REFERENCE/DOCKET NUMBER: 516762
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 335 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-219-237B-2

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Query Match      47.5%; Score 856; DB 2; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLWIAVPLVLAG----SQLRVHTQGTNSISLSKLRVRVHETDKNCSEGLYGGPFC 56
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 1 MLGWTLLPLVLVSARLSKSVNAQVTDINSKLELRKTVTVTQNLGLHHDGQFCH 60

QY 57 QCPQGGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDERHGLEVEINCT 116
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 KPCEPGERKARDCTVNGDEPDVCVQEGKEYTDKAHFSKRCRCLCDERHGLEVEINCT 120

QY 117 LTQNTKCKKDPDFCYDSPGCEHCVRCSCHGTLEPCTATSNCRKQSPRNLWLTL 176
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 121 RTQNTKCRCKPNFCNVTCEHCDCPCTCKBHGIIKECTLTSTNCKKEGSRNLGLCLL 180

QY 177 VLIPLVFIYKRYKRWKRRQDDP---ESTTSRETIIPMASNLSKYIPRIADMT 232
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 LLPPLIVVRKEVQKTCRKHRENQGSHPSTLNPTVAINLSVDVLSKYITTIAGVMT 240

QY 233 IQBAKFPARENNIKEGKIDIMHDSIQDTAEQKVLQLLCWYQSHGKSDAYODLIGLKA 292
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVLQLLRNWHQHLHGKKEAYDTLIKDLKA 300

QY 293 AECRRLDKFQDMVQKDLGKSTPDTGNEGQCL 326
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 301 ANLCTLAEKIQTIIILDKDITSDSENSFRNEIQSL 334

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RESULT 6
US-08-409-338-1
; Sequence 1, Application US/08409338
; Patent No. 5891434
; GENERAL INFORMATION:
; APPLICANT: Krammer, Peter H.
; APPLICANT: Debatin, Klaus-Michael
; APPLICANT: Trauth, Bernhard C.
; APPLICANT: Behrmann, Iris
; APPLICANT: Dhein, Jens
; APPLICANT: Klas, Christiane
; APPLICANT: Mller, Peter
; APPLICANT: Falk, Werner
; APPLICANT: Oehm Alexander
; APPLICANT: Daniel, Peter T.
; TITLE OF INVENTION: Monoclonal Antibodies to the APO-1 Antigen
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:

```

us-09-446-634b-23.sep2004.ra1

Tue Sep 28 15:18:08 2004

ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Militia Drive

CITY: Lexington, MA 02173

STATE: Massachusetts

COUNTRY: USA

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/409,338

FILING DATE:

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/260,644

FILING DATE: 16-JUN-1994

APPLICATION NUMBER: US 07/691,016

FILING DATE: 17-JUN-1991

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Brook, David E.

REGISTRATION NUMBER: 22,592

REFERENCE/DOCKET NUMBER: CTR89-35A2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-861-9540

TELEFAX: 617-861-9540

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 335 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-409-338-1

Query Match 47.5%; Score 856; DB 2; Length 335;

Best Local Similarity 49.4%; Pred. No. 8.7e-71; Indels 8; Gaps 3;

Matches 165; Conservative 54; Mismatches 107;

QY 1 MLMTWAVLPLVLAG---SQLRVHTQGTNSISLSKLRVRVHETDKNCSEGLYQGGPFCC 56

DB 1 MLGIVTLPLVLTSLVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60

QY 57 QPCQPGKKKVEDCKMNGGTPCAPCTEGKEYMDKNHYADKRRCTLCDEHGLEVEINCT 116

DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRLCDEHGLEVEINCT 120

QY 117 LTQNTKCKKPDYCDSPGCEHCVCASCCEHGTLEPCTATNTNCRKQSPRNRLWLLTIL 176

DB 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTCKEHHGIIKECTLTSTNCKEGRSRLNGLCLL 180

QY 177 VLLIPL-VFIYRKYRKCKWKRRQDDP---ESRTSSRETIPMNASNLSSKYIPRIADM 232

DB 181 LLIPLIIVVWKREVKQTKCRKXENQGSHPILNPETVAINLSVDLSKYITTIAGVM 240

QY 233 TIQEAKKFARENNIKEGKIDIMHDSIQDTAEQVQLLLCWYQSHGSKSDAYQDLIKGLKK 292

DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQLHGKKEAYDTLLIKDLKK 300

QY 293 AECRRITDKFQDMVQKDLGKSTPDTGNENEGQCL 326

DB 301 ANLCTLAETIQTIIILKSDSSENFRNEIQSL 334

RESULT 7

US-09-290-640-2

Sequence 2, Application US/09290640

Patent No. 6204055

GENERAL INFORMATION:

APPLICANT: Dean, Nicholas M.

APPLICANT: Marcussen, Eric G.

TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling

FILE REFERENCE: ISPH-0351

CURRENT APPLICATION NUMBER: US/09/290,640

CURRENT FILING DATE: 1999-04-12

NUMBER OF SEQ ID NOS: 85

SOFTWARE: Patent in Ver. 2.0

SEQ ID NO 2

LENGTH: 335

TYPE: PRT

ORGANISM: Homo sapiens

US-09-290-640-2

Query Match 47.5%; Score 856; DB 3; Length 335;

Best Local Similarity 49.4%; Pred. No. 8.7e-71; Indels 8; Gaps 3;

Matches 165; Conservative 54; Mismatches 107;

QY 1 MLMTWAVLPLVLAG---SQLRVHTQGTNSISLSKLRVRVHETDKNCSEGLYQGGPFCC 56

DB 1 MLGIVTLPLVLTSLVARLSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60

QY 57 QPCQPGKKKVEDCKMNGGTPCAPCTEGKEYMDKNHYADKRRCTLCDEHGLEVEINCT 116

DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKCRRLCDEHGLEVEINCT 120

QY 117 LTQNTKCKKPDYCDSPGCEHCVCASCCEHGTLEPCTATNTNCRKQSPRNRLWLLTIL 176

DB 121 RTQNTKCRCKPNFFCNSTVCEHCDPCTCKEHHGIIKECTLTSTNCKEGRSRLNGLCLL 180

QY 177 VLLIPL-VFIYRKYRKCKWKRRQDDP---ESRTSSRETIPMNASNLSSKYIPRIADM 232

DB 181 LLIPLIIVVWKREVKQTKCRKXENQGSHPILNPETVAINLSVDLSKYITTIAGVM 240

QY 233 TIQEAKKFARENNIKEGKIDIMHDSIQDTAEQVQLLLCWYQSHGSKSDAYQDLIKGLKK 292

DB 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQVQLLRNWHQLHGKKEAYDTLLIKDLKK 300

QY 293 AECRRITDKFQDMVQKDLGKSTPDTGNENEGQCL 326

DB 301 ANLCTLAETIQTIIILKSDSSENFRNEIQSL 334

RESULT 8

US-09-006-353A-7

Sequence 7, Application US/09006353A

Patent No. 6261801

GENERAL INFORMATION:

APPLICANT: WEI, YING-PEI

APPLICANT: YU, GUO-LIANG

APPLICANT: GENTZ, REINER

APPLICANT: RUBEN, STEVEN

TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: HUMAN GENOME SCIENCES, INC.

STREET: 9410 KEY WEST AVENUE

CITY: ROCKVILLE

STATE: MD

COUNTRY: US

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/006,353A

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: BROOKES, ANDERS A

REGISTRATION NUMBER: 36,373

REFERENCE/DOCKET NUMBER: PF341

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-006-353A-7

Query Match 47.5%; Score 856; DB 3; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
QY 1 MLMIWAVLPLVLGAG-----SQLRVHTQGTNSISSESLKRRRVHETDKNCSEGLYQGGPFCC 56
Db 1 MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLERKRTVTVTQNLGLHHDGQFCH 60
QY 57 QPCQPKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRTLCDEEHGLEVEINCT 116
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 120
QY 117 LTQNTKCKCPDFYCDSPGCEHCVRCAHGTLEPCTATSNCRKQSPRNLMLTL 176
Db 121 RTQNTKCRCKNFNCSTVCEHCDPCTKCEHGIIECTLTSTNTKCKEGRSRLGWLCLL 180
QY 177 VLLIPL-VFIYRKVRKRCWKRRQDDP---ESRTSSRETIIPMNASLSKYIPIAEDM 232
Db 181 LLPIPLIIVWKRKEVQKTCRKHKEKQSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
QY 233 TIQAKKFARENNIKGKIDIMHDSIODTAQKVQLLLCWYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGVRKNGVNEAKIDBKNDNVQDTAEQVQLLRNHLHGLHGRKEAYDTLIKDLKK 300
QY 293 AECRTLDKFDQMVQKDLGKSTPTDGTNENEGQCL 326
Db 301 ANLCTLAEKIQTILKIDITSDSENSFRNEIQSL 334

RESULT 9
US-08-468-560C-2
Sequence 2, Application US/08468560C
Patent No. 6270998
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE
TITLE OF INVENTION: ANTIGEN
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP.
STREET: P.O. BOX 747
CITY: FALLS CHURCH
STATE: VA
COUNTRY: USA
ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,560C
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURPHY JR., GERLAD M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 20-4393P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
TELEFAX: 703-205-8050
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 335 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-560C-2

Query Match 47.5%; Score 856; DB 3; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
QY 1 MLMIWAVLPLVLGAG-----SQLRVHTQGTNSISSESLKRRRVHETDKNCSEGLYQGGPFCC 56
Db 1 MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLERKRTVTVTQNLGLHHDGQFCH 60
QY 57 QPCQPKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRTLCDEEHGLEVEINCT 116
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 120
QY 117 LTQNTKCKCPDFYCDSPGCEHCVRCAHGTLEPCTATSNCRKQSPRNLMLTL 176
Db 121 RTQNTKCRCKNFNCSTVCEHCDPCTKCEHGIIECTLTSTNTKCKEGRSRLGWLCLL 180
QY 177 VLLIPL-VFIYRKVRKRCWKRRQDDP---ESRTSSRETIIPMNASLSKYIPIAEDM 232
Db 181 LLPIPLIIVWKRKEVQKTCRKHKEKQSHESPTLNPTETVAINLSDVDLSKYITTIAGVM 240
QY 233 TIQAKKFARENNIKGKIDIMHDSIODTAQKVQLLLCWYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGVRKNGVNEAKIDBKNDNVQDTAEQVQLLRNHLHGLHGRKEAYDTLIKDLKK 300
QY 293 AECRTLDKFDQMVQKDLGKSTPTDGTNENEGQCL 326
Db 301 ANLCTLAEKIQTILKIDITSDSENSFRNEIQSL 334

RESULT 10
US-09-180-100-20
Sequence 20, Application US/09180100
Patent No. 6306395
GENERAL INFORMATION:
APPLICANT: NAKAMURA, No. 6306395io
APPLICANT: NAGATA, Shigekazu
TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE
FILE REFERENCE: 1110-207P
CURRENT APPLICATION NUMBER: US/09/180,100
CURRENT FILING DATE: 1998-11-02
EARLIER APPLICATION NUMBER: PCT/JP97/01502
EARLIER FILING DATE: 1997-05-01
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 20
LENGTH: 335
TYPE: PRT
ORGANISM: Homo sapiens
US-09-180-100-20

Query Match 47.5%; Score 856; DB 4; Length 335;
Best Local Similarity 49.4%; Pred. No. 8.7e-71;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;
QY 1 MLMIWAVLPLVLGAG-----SQLRVHTQGTNSISSESLKRRRVHETDKNCSEGLYQGGPFCC 56
Db 1 MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLERKRTVTVTQNLGLHHDGQFCH 60
QY 57 QPCQPKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRTLCDEEHGLEVEINCT 116
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 120
QY 117 LTQNTKCKCPDFYCDSPGCEHCVRCAHGTLEPCTATSNCRKQSPRNLMLTL 176
Db 121 RTQNTKCRCKNFNCSTVCEHCDPCTKCEHGIIECTLTSTNTKCKEGRSRLGWLCLL 180

Tue Sep 28 15:18:08 2004

Qy	177	VLLIPL-VFTYRKYRKWKRRQDDP---ESRTSSRETIPMNASNLSLSKYIPRIAEDM	232
Db	181	LLPIPLIVWVKREVOQTCRKHKENQGSHEPTLNPEITVAINLSVDVLSKYITTIAGVM	240
Qy	233	TIQEAKKFARENNIKEGKIDIMHDSIODTAQKVQLLWCYQSHGKSDAYQDLIKGLKK	292
Db	241	TLQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWHQLHGRKEAYDTLIKOLKK	300
Qy	293	AECERTLDKFDQMYOKDLGKSTPDTGNENEGQCL	326
Db	301	ANLCTLAEKIQTIIKDIITSDSENSNFNEIQSL	334

Search completed: September 28, 2004, 10:56:31
Job time : 23.7221 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 28, 2004, 10:52:43 ; Search time 87.9245 Seconds
(without alignments)
1195.909 Million cell updates/sec

Title: US-09-446-634B-23

Perfect score: 1804

Sequence: 1 MLMIWAVLPVLVLAGSQLRVH.....KDLGKSPDTGNENEGQCLIE 327

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1349238 seqs, 321559718 residues

Total number of hits satisfying chosen parameters: 1349238

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09D_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
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- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1804	100.0	327	9	US-09-802-669-66
2	1804	100.0	327	12	US-10-619-220-66
3	1351	74.9	242	14	US-10-193-616-9
4	1166	64.6	204	9	US-09-948-018-18
5	863.5	47.9	669	14	US-10-226-296-3
6	863.5	47.9	669	14	US-10-226-318-3
7	863.5	47.9	669	16	US-10-648-786-3
8	856	47.5	335	9	US-09-826-212-7
9	856	47.5	335	9	US-09-802-669-2
10	856	47.5	335	9	US-09-949-713-20
11	856	47.5	335	9	US-09-874-138-4
12	856	47.5	335	9	US-09-864-387-2
13	856	47.5	335	9	US-09-935-727-9
14	856	47.5	335	12	US-10-619-220-2
15	856	47.5	335	13	US-10-005-842-4
					Sequence 66, Appl
					Sequence 66, Appl
					Sequence 9, Appl
					Sequence 18, Appl
					Sequence 3, Appl
					Sequence 3, Appl
					Sequence 7, Appl
					Sequence 2, Appl
					Sequence 20, Appl
					Sequence 4, Appl
					Sequence 2, Appl
					Sequence 9, Appl
					Sequence 2, Appl
					Sequence 4, Appl

16	856	47.5	335	14	US-10-175-902-3	Sequence 3, Appl
17	856	47.5	335	14	US-10-186-643-7	Sequence 7, Appl
18	856	47.5	335	15	US-10-418-242-9	Sequence 9, Appl
19	856	47.5	335	16	US-10-648-825-4	Sequence 4, Appl
20	856	47.5	335	16	US-10-774-622-4	Sequence 4, Appl
21	856	47.5	335	16	US-10-741-601-447	Sequence 447, App
22	844	46.8	335	9	US-09-333-966-6	Sequence 6, Appl
23	844	46.8	335	10	US-09-314-889-6	Sequence 6, Appl
24	844	46.8	335	14	US-10-189-189-6	Sequence 6, Appl
25	840.5	45.6	334	16	US-10-741-601-446	Sequence 446, App
26	825	45.7	331	14	US-10-280-047-3	Sequence 3, Appl
27	822	45.6	319	16	US-10-445-399-15	Sequence 15, Appl
28	795	44.1	313	16	US-10-741-601-451	Sequence 451, App
29	645	35.8	281	9	US-09-756-854-3	Sequence 3, Appl
30	645	35.8	281	13	US-10-041-574-3	Sequence 3, Appl
31	585	32.4	219	11	US-09-405-032-128	Sequence 128, App
32	525	29.1	201	16	US-10-741-601-449	Sequence 449, App
33	523	29.0	167	13	US-10-112-793-22	Sequence 22, Appl
34	523	29.0	237	9	US-09-925-299-960	Sequence 960, App
35	523	29.0	237	10	US-09-925-299-960	Sequence 960, App
36	494.5	27.4	144	9	US-09-949-713-21	Sequence 21, Appl
37	494.5	27.4	159	9	US-09-949-713-23	Sequence 23, Appl
38	494.5	27.4	159	14	US-10-084-139-12	Sequence 12, Appl
39	494.5	27.4	376	9	US-09-949-713-22	Sequence 22, Appl
40	494.5	27.4	376	14	US-10-084-139-10	Sequence 10, Appl
41	494.5	27.4	376	14	US-10-084-139-10	Sequence 10, Appl
42	470	26.1	128	9	US-09-949-713-9	Sequence 9, Appl
43	470	26.1	143	9	US-09-949-713-10	Sequence 10, Appl
44	470	26.1	360	9	US-09-949-713-11	Sequence 11, Appl
45	462	25.6	119	13	US-10-112-793-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1

US-09-802-669-66
; Sequence 66, Application US/09802669
; Patent No. US20020004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; CURRENT FILING DATE: 2001-03-09
; PRIOR FILING DATE: 2000-09-18
; PRIOR FILING DATE: 2000-09-18
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 66
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-802-669-66

Query Match 100.0%; Score 1804; DB 9; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.9e-146;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	MLMIWAVLPVLVLAGSQLRVHVTQNTSISLKLRRVHETDKNCSGLYQGFFCCQPCQ	60
QY	61	PGKKKVEDCKMNGGTTTCAPCTEGKEYMDKNHVDKRCCTLCDEBHGLEVETNCITQN	120
Db	61	PGKKKVEDCKMNGGTTTCAPCTEGKEYMDKNHVDKRCCTLCDEBHGLEVETNCITQN	120
QY	121	TKCKKPDYCDSPGCEHCVRCAECHEGTLEPTATNTNCRKQSPRNLWLITLVLLI	180

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Db 121  TACKCKPFDYCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNLWLLTILVLLI 180
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Db 181  PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
QY 241  ARENNIKEGKIDIMHDSIODTAQKQVQLLWCYQSHGSKSDAYQDLIKGLKKAECRRTLD 300
Db 241  ARENNIKEGKIDIMHDSIODTAQKQVQLLWCYQSHGSKSDAYQDLIKGLKKAECRRTLD 300
QY 301  KFQDMVQKDLGKSTPDTGNENEGOCLE 327
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RESULT 2
US-10-619-220-66
; Sequence 66, Application US/10619220
; Publication No. US20040033979A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussen, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/10/619,220
; CURRENT FILING DATE: 2003-07-14
; PRIOR APPLICATION NUMBER: 09/802,669
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 66
; LENGTH: 327
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-619-220-66

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Query Match 100.0%; Score 1804; DB 12; Length 327;
Best Local Similarity 100.0%; Pred. No. 3.9e-146;
Matches 327; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1  MLWIWAVLPLVLGSQLRVHTQGTNSISESLKLRVRVHETDKNCSRGLYQGGPFCOPCQ 60
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QY 61  PGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
Db 61  PGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
QY 121  TKCKCKPFDYCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNLWLLTILVLLI 180
Db 121  TKCKCKPFDYCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNLWLLTILVLLI 180
QY 181  PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
Db 181  PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
QY 241  ARENNIKEGKIDIMHDSIODTAQKQVQLLWCYQSHGSKSDAYQDLIKGLKKAECRRTLD 300
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QY 301  KFQDMVQKDLGKSTPDTGNENEGOCLE 327
Db 301  KFQDMVQKDLGKSTPDTGNENEGOCLE 327

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RESULT 3

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US-10-193-616-9
; Sequence 9, Application US/10193616
; Publication No. US20030096355A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Ke
; TITLE OF INVENTION: Isolation, Identification, and Characterization of
; TITLE OF INVENTION: ymkz5, a novel
; TITLE OF INVENTION: member of the TNF-Receptor Supergene Family
; FILE REFERENCE: 01017/35551A
; CURRENT APPLICATION NUMBER: US/10/193,616
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: US/09/611,989
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/143,137
; PRIOR FILING DATE: 1999-07-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 242
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: FASA
US-10-193-616-9

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Query Match 74.9%; Score 1351; DB 14; Length 242;
Best Local Similarity 100.0%; Pred. No. 1.7e-107;
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1  MLWIWAVLPLVLGSQLRVHTQGTNSISESLKLRVRVHETDKNCSRGLYQGGPFCOPCQ 60
Db 1  MLWIWAVLPLVLGSQLRVHTQGTNSISESLKLRVRVHETDKNCSRGLYQGGPFCOPCQ 60
QY 61  PGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
Db 61  PGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKRCRCTLCDDEHGLEVEINCTLTQN 120
QY 121  TKCKCKPFDYCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNLWLLTILVLLI 180
Db 121  TKCKCKPFDYCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNLWLLTILVLLI 180
QY 181  PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
Db 181  PLVFIYKRYKRCWKRRQDDPSRTSSRETIIPNANSLSKYIPRIADMTIOEAKKF 240
QY 241  AR 242
Db 241  AR 242

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RESULT 4
US-09-948-018-18
; Sequence 18, Application US/09948018
; Patent No. US20020150977A1
; GENERAL INFORMATION:
; APPLICANT: Theill et al
; TITLE OF INVENTION: TNF RECEPTOR-LIKE MOLECULES AND USES THEREOF
; FILE REFERENCE: 01017/37677
; CURRENT APPLICATION NUMBER: US/09/948,018
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US 60/230,191
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 204
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-948-018-18

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Query Match 64.6%; Score 1166; DB 9; Length 204;
Best Local Similarity 100.0%; Pred. No. 9.6e-92;
Matches 204; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 TKCKKPDYCDSPGCEHCVRCAHCEHGTLPCTATNTNCRKQSPRNLMLLTLVLLI 180
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QY 181 PLVFIYKRYRKCKWKRRQDDPES 204
Db 181 PLVFIYKRYRKCKWKRRQDDPES 204

RESULT 5
US-10-226-296-3
; Sequence 3, Application US/10226296
; Publication No. US20030036168A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; Rosen, Craig A.
; Pan, James G.
; Gentz, Reiner L.
; Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
; Receptor 4), Member of the TNF-Receptor
; Superfamily and Binding to Trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/226,296
; FILING DATE: 23-Aug-2002
; CLASSIFICATION: <Unknown>
; APPLICATION NUMBER: US/09/448,868
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 09/013,895
; FILING DATE: 27-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300004
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-226-296-3
Query Match 47.9%; Score 863.5; DB 14; Length 669;
Best Local Similarity 49.2%; Pred. No. 3.5e-65;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIAVLPVLAGSOLRVHTQGTNSISSESLKRRRVHETDKNCSEGLYQGGPFCQ 56
Db 336 MLGIWTLPLVLTSSVARLSSKSVNAQVTDINSKGLERLAKTVTVETONLEGLHHDGQFCH 395
QY 57 QPCOPGKKVEDCKMNGGTPTCAPCTEGKEYMDKNHYADKCRCTLCDDEHGLEVEITNCT 116
Db 396 KPCPPGGERKARDCTVNGDEPCVQCEQKEYTDRKAHFSKCRRCRCLCDEHGLEVEINCT 455
QY 117 LTQNTKCKKPDYCDSPGCEHCVRCAHCEHGTLPCTATNTNCRKQSPRNLMLLTLI 176
Db 456 RTQNTKCKKPDYCDSPGCEHCVRCAHCEHGTLPCTATNTNCRKQSPRNLMLLTLI 515
QY 177 VLLIPLVFIYKRYRKCKWKRRQDDPES 233
Db 516 LLLPIPLVFIYKRYRKCKWKRRQDDPES 575
QY 234 IQEAKKFARENNIKEGKIDETMHDSIODTAROKVQLLCLCWYQSHGKSDAYODLIKGLKKA 293
Db 576 LSQVKGFRKNGVNEAKIDEIKNDNVQDTABQKQVLLRNWHQLHGKKEAYDTLLKDLKKA 635
QY 294 ECRRTLDKFDQMVOKDLCKSTPDGTGNEGQCL 326
Db 636 NLCTLAEKIQTIIILKDIITSDSENSFNREIQSL 668

RESULT 6
US-10-226-318-3
; Sequence 3, Application US/10226318
; Publication No. US20030073187A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; Rosen, Craig A.
; Pan, James G.
; Gentz, Reiner L.
; Dixit, Vishva M.
; TITLE OF INVENTION: Death Domain Containing Receptor 4 (DR4: Death
; Receptor 4), Member of the TNF-Receptor
; Superfamily and Binding to Trail (AP02-L)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HUMAN GENOME SCIENCES, INC.
; STREET: 9410 KEY WEST AVENUE
; CITY: ROCKVILLE
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/226,318
; FILING DATE: 23-Aug-2002
; CLASSIFICATION: <Unknown>
; APPLICATION NUMBER: US/09/448,868
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 09/013,895
; FILING DATE: 27-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1300004
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 669 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-226-318-3

Query Match 47.9%; Score 863.5; DB 14; Length 669;
Best Local Similarity 49.2%; Pred. No. 3.5e-65;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIAVLPLVLGAG---SOLRVHTQGTNSISSESLKLRVRVHETDKNCSEGLYQGPFCC 56
DB 336 MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLRLKVTVTVETQNLGLHHDGFCH 395
QY 57 QPCQPGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHAYADKRCRTCLDEBHGLEVEINCT 116
DB 396 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 455
QY 117 LTQNTKCKKPPDFCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNRLWLLTIL 176
DB 456 RTQNTKCRCKPNFFCNSVCHCDPCTCKEKGIIKECTLTSTNTKCKEGRSRLGWLCLL 515
QY 177 VLLIPLVFIYKRYKRCWKRRQDDP---ESRTSSRETIPMNASNLISKYIPRIADMT 233
DB 516 LLPPLIVVKRKEVQKTCRKIRKENGQSHESPTLNPEVAIINLSDVLSKYITTIAGVMT 575
QY 234 IQEAKKFARENNIKEGKIDEIMHDSIQDTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKA 293
DB 576 LSQVKGFRVKNVNEAKIDEIKNDVQDTAEQVOLLRNWHQLHGKKEAYDTLLIKDLKKA 635
QY 294 ECRRTLDFQDMVQKLGKSTPDTGNEGQCL 326
DB 636 NLCTLAEKIQTIIILKDTSDSENSFRNEIOSL 668

RESULT 8
US-09-826-212-7
; Sequence 7, Application US/09826212
; Patent No. US20010021516A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Ying-Fei
; APPLICANT: Gentz, Reiner
; APPLICANT: Ruben, Steven
; APPLICANT: Ni, Jian
; TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
; FILE REFERENCE: 1488.1280006
; CURRENT APPLICATION NUMBER: US/09/826,212
; CURRENT FILING DATE: 2001-04-05
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-212-7

Query Match 47.5%; Score 856; DB 9; Length 335;
Best Local Similarity 49.4%; Pred. No. 6.5e-65;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLWIAVLPLVLGAG---SOLRVHTQGTNSISSESLKLRVRVHETDKNCSEGLYQGPFCC 56
DB 1 MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLRLKVTVTVETQNLGLHHDGFCH 60
QY 57 QPCQPGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHAYADKRCRTCLDEBHGLEVEINCT 116
DB 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 120
QY 117 LTQNTKCKKPPDFCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNRLWLLTIL 176
DB 121 RTQNTKCRCKPNFFCNSVCHCDPCTCKEKGIIKECTLTSTNTKCKEGRSRLGWLCLL 180
QY 177 VLLIPLVFIYKRYKRCWKRRQDDP---ESRTSSRETIPMNASNLISKYIPRIADMT 232
DB 181 LLPPLIVVKRKEVQKTCRKIRKENGQSHESPTLNPEVAIINLSDVLSKYITTIAGVMT 240
QY 233 TIQEAKKFARENNIKEGKIDEIMHDSIQDTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKA 292
DB 241 TLSQVKGFRVKNVNEAKIDEIKNDVQDTAEQVOLLRNWHQLHGKKEAYDTLLIKDLKKA 300
QY 293 AECRTLDFQDMVQKLGKSTPDTGNEGQCL 326

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-226-318-3

Query Match 47.9%; Score 863.5; DB 14; Length 669;
Best Local Similarity 49.2%; Pred. No. 3.5e-65;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

QY 1 MLWIAVLPLVLGAG---SOLRVHTQGTNSISSESLKLRVRVHETDKNCSEGLYQGPFCC 56
DB 336 MLGIWTLPLVLTSVARLSKSVNAQVTDINSKGLRLKVTVTVETQNLGLHHDGFCH 395
QY 57 QPCQPGKKKVEDCKMNGGTPTCAPCTEGKEYMDKNHAYADKRCRTCLDEBHGLEVEINCT 116
DB 396 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSKRCRCRLCDEGHGLEVEINCT 455
QY 117 LTQNTKCKKPPDFCDSPGCEHCVRASCCEHGTLEPCTATNTNCRKQSPRNRLWLLTIL 176
DB 456 RTQNTKCRCKPNFFCNSVCHCDPCTCKEKGIIKECTLTSTNTKCKEGRSRLGWLCLL 515
QY 177 VLLIPLVFIYKRYKRCWKRRQDDP---ESRTSSRETIPMNASNLISKYIPRIADMT 233
DB 516 LLPPLIVVKRKEVQKTCRKIRKENGQSHESPTLNPEVAIINLSDVLSKYITTIAGVMT 575
QY 234 IQEAKKFARENNIKEGKIDEIMHDSIQDTAEQVOLLWCYQSHGSKSDAYQDLIKGLKKA 293
DB 576 LSQVKGFRVKNVNEAKIDEIKNDVQDTAEQVOLLRNWHQLHGKKEAYDTLLIKDLKKA 635
QY 294 ECRRTLDFQDMVQKLGKSTPDTGNEGQCL 326
DB 636 NLCTLAEKIQTIIILKDTSDSENSFRNEIOSL 668

RESULT 7
US-10-648-786-3
; Sequence 3, Application US/10648786
; Publication No. US20040136950A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, Craig A
; APPLICANT: Pan, James G
; APPLICANT: Gentz, Reiner L
; APPLICANT: Dixit, Vishva M
; TITLE OF INVENTION: Death Domain Containing Receptor-4
; FILE REFERENCE: PF355P2
; CURRENT APPLICATION NUMBER: US/10/648,786
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: 60/035,722
; PRIOR FILING DATE: 1997-01-28
; PRIOR APPLICATION NUMBER: 60/037,829
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: 09/013,895
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 60/132,922
; PRIOR FILING DATE: 1999-05-06
; PRIOR APPLICATION NUMBER: 09/565,918
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: 60/406,922
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: 60/413,861
; PRIOR FILING DATE: 2002-09-27
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 669
; TYPE: PRT
; ORGANISM: human
US-10-648-786-3

Query Match 47.9%; Score 863.5; DB 16; Length 669;
Best Local Similarity 49.2%; Pred. No. 3.5e-65;
Matches 164; Conservative 54; Mismatches 108; Indels 7; Gaps 2;

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Db 301 ANCLTAEKIQITILKIDTSDSENSFRNEIQSL 334

RESULT 9
US-09-802-669-2
; Sequence 2, Application US/09802669
; Patent No. US2002004490A1
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcussou, Eric G.
; APPLICANT: Wyatt, Jacqueline
; APPLICANT: Zhang, Hong
; TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-545
; CURRENT APPLICATION NUMBER: US/09/802,669
; PRIOR APPLICATION NUMBER: US 09/665,615
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-802-669-2

Query Match 47.5%; Score 856; DB 9; Length 335;
Best Local Similarity 49.4%; Pred. No. 6.5e-65;
Matches 165; Conservative 54; Mismatches 107; Indels 8; Gaps 3;

QY 1 MLMIWAFLPLVLAVLQAG-----SOLRVHTQGTNSISLSKLRRLRRVHETDKNCSEGLYQGPFCC 56
Db 1 MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLERKTVTTVETQNLGLHHDGQFCH 60
QY 57 QPCQPGKKKVEDCKWNGGTPTCAPCTEGKEYMDKNHADVCKRCRTLCDEHGLEVEINCT 116
Db 61 KPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRCRLCDEHGLEVEINCT 120
QY 117 LTONTKCKKPFYCDSPGCEHCVRASCSEHGTLEPCTATNTNCRKQSPRNLWLITIL 176
Db 121 RTONTKCRCKPNFFCNSTVCEHCDPCTCKEHIKCECTLTNTKCEGSRNLGWLCLL 180
QY 177 VLLIPL-VFIYRKYRKCWKRRQDDP---ESTSSRETIPMNASNLISKYIPRIADM 232
Db 181 LLPIPLIVWVKRKEVQKTCRKRKENQSGHESPTLNPTETVAINLSDVLSKYITTIAGVM 240
QY 233 TIQAKKFPARENNIKEGKIDIMHDSIQDTAEQKQVOLLWCYQSHGKSDAYQDLIKGLKK 292
Db 241 TLSQVKGFRKNGVNEAKIDEIKNDNVQDTAEQKQVOLLRNHQLHGKKEAYDTLLIKDLKK 300
QY 293 AECRTLDKFDQVMQKDLGKSTPDTGNENEGQCL 326
Db 301 ANCLTAEKIQITILKIDTSDSENSFRNEIQSL 334

RESULT 11
US-09-874-138-4
; Sequence 4, Application US/09874138
; Patent No. US20020072091A1
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Yu, Guo-liang
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: Death Domain Containing Receptor 5
; FILE REFERENCE: 1488.1310006
; CURRENT APPLICATION NUMBER: US/09/874,138
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/565,009
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/148,939
; PRIOR FILING DATE: 1999-08-13
; PRIOR APPLICATION NUMBER: 60/133,238
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: 60/132,498
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 09/042,583
; PRIOR FILING DATE: 1998-03-17
; PRIOR APPLICATION NUMBER: 60/054,021
; PRIOR FILING DATE: 1997-07-29
; PRIOR APPLICATION NUMBER: 60/040,846
; PRIOR FILING DATE: 1997-03-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-874-138-4

Query Match 47.5%; Score 856; DB 9; Length 335;
Best Local Similarity 49.4%; Pred. No. 6.5e-65;

Db 301 ANCLTAEKIQITILKIDTSDSENSFRNEIQSL 334
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Search completed: September 28, 2004, 11:11:17
Job time : 88.9245 secs

ROBERT, CRAIG A.
TITLE OF INVENTION: Death Domain Containing Receptor 5
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: MD
COUNTRY: US

